

Abstract

The invention relates to the transmission of safe process signals between input and output units in a safety system.

The object of the invention is to indicate a way in which the transmission and, in consequence, the processing of safe process information are ensured in a considerably simplified manner.

The invention therefore provides that, for transmission of safe process information, two or more process signals ( $S_{211}$ - $S_{212}$ ,  $S_{221}$ - $S_{222}$ ,  $S_{100}$ ), which are detected redundantly in order to identify an event which is relevant to system safety, are converted to a single process signal ( $S_1$ ,  $S_{110}$ ) for system-based further processing.